

FORM PTO-14

ATTY. DOCKET NO.  
2060.0140000/EKS/J-H

APPLICATION NO.  
09/458,299

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT

APPLICANT(S)  
Fikes *et al.*

FILING DATE  
December 10, 1999

ART UNIT  
1644

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
MD	AA2	5,736,142	04/07/1998	Sette <i>et al.</i>			09/14/1994
MD	AB2	2004/0121946 A1	06/24/2004	Fikes <i>et al.</i>			10/24/2002
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<del>MD</del>	<del>AI3</del>	<del>EP 0 226 513 A1</del>	<del>06/24/1987</del>	<del>Europe</del>			<del>Yes</del> <del>X No</del>
MD	AM3	WO 99/45954	09/16/1999	WIPO			Yes No
MD	AN3	WO 01/41787 A1	06/14/2001	WIPO			Yes No
MD	AO3	WO 98/33888	08/06/1998	WIPO			Yes No
MD	AP3	WO 96/18409	06/20/1996	WIPO			Yes No

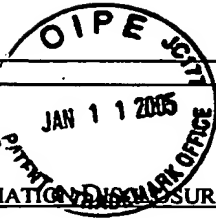
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	30	
MD	AS	30	Altman, J.D., <i>et al.</i> , "Phenotypic Analysis of Antigen-Specific T Lymphocytes," <i>Science</i> 274:94-96, American Association for the Advancement of Science (1996)
MD	AT	30	Fisk, B., <i>et al.</i> , "Identification of an Immunodominant Peptide of HER-2/neu Protooncogene Recognized by Ovarian Tumor-specific Cytotoxic T Lymphocyte Lines," <i>J. Exp. Med.</i> 181:2109-2117, The Rockefeller University Press (June 1995)

EXAMINER *Marianne B.*

DATE CONSIDERED 3/25/05

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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	31	Greenberg, P.D., "Adoptive T Cell Therapy of Tumors: Mechanisms Operative in the Recognition and Elimination of Tumor Cells," <i>Adv. Immunol.</i> 49:281-355, Academic Press (1991)
	AS	31	Ioannides, C.G., <i>et al.</i> , "T-Cell Recognition of Oncogene Products: A New Strategy for Immunotherapy," <i>Mol. Carcinog.</i> 6:77-82, Wiley-Liss (1992)
	AT	31	Keogh, E., <i>et al.</i> , "Identification of New Epitopes from Four Different Tumor-Associated Antigens: Recognition of Naturally Processed Epitopes Correlates with HLA-A*0201-Binding Affinity," <i>J. Immunol.</i> 167:787-796, American Association of Immunologists (2001)

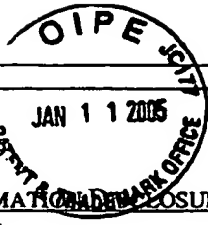
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MARIANNE DIBRINO, Ph.D.

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MD	AR	32	Kono, K., <i>et al.</i> , "Identification of HER2/neu-Derived Peptide Epitopes Recognized by Gastric Cancer-Specific Cytotoxic T Lymphocytes," <i>Int. J. Cancer</i> 78:202-208, Wiley-Liss, Inc. (October 1998)
MD	AS	32	Melief, C.J.M., and Kast, W.M., "Lessons from T Cell Responses to Virus Induced Tumours for Cancer Eradication in General," <i>Cancer Surv.</i> 13:81-99, Cold Spring Harbor Press (1992)
MD	AT	32	Dialog File 351, Accession No. 7180926, WPI English language abstract for EP 0 226 513 A1 (Document AM3)

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MARIA ANNE DIBRINO, Ph.D.  
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MD	AC2	4,235,877	11/25/1980	Fullerton			06/27/1979
MD	AD2	4,487,715	12/11/1984	Nitecki <i>et al.</i>			07/09/1982
MD	AE2	4,599,230	07/08/1986	Milich <i>et al.</i>			03/09/1984
MD	AF2	4,837,028	06/06/1989	Allen			12/24/1986
MD	AG2	5,013,548	05/07/1991	Haynes <i>et al.</i>			01/21/1988
MD	AH2	5,128,319	07/07/1992	Arlinghaus			09/20/1989
MD	AI2	2004/0157780 A1	08/21/2004	Grey <i>et al.</i>			02/04/2004
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MD	AL4	EP 0 378 881	06/09/1993	Europe			Yes
MD	AM4	EP 0 429 816	06/05/1991	Europe			No
MD	AN4	EP 0 433 242	06/19/1991	Europe			Yes
MD	AO4	WO 93/03764	03/04/1993	WIPO			No
MD	AP4	WO 94/20127	09/15/1994	WIPO			Yes

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MD	AR	33	Alexander, J., <i>et al.</i> , "Development of High Potency Universal DR-Restricted Helper Epitopes by Modification of High Affinity DR-Blocking Peptides," <i>Immunity</i> 1:751-761, Cell Press (1994)
MD	AS	33	Arndt, S.O., <i>et al.</i> , "Selection of the MHC Class II-Associated Peptide Repertoire by HLA-DM," <i>Immunol. Res.</i> 16:261-272, Humana Press (December 1997)
MD	AT	33	Barouch, D., <i>et al.</i> , "HLA-A2 Subtypes Are Functionally Distinct in Peptide Binding and Presentation," <i>J. Exp. Med.</i> 182:1847-1856, Rockefeller University Press (1995)

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*Marina*

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MD	ALS	WO 95/07707	03/23/1995	WIPO			No
MD	AMS	WO 96/22067	07/25/1996	WIPO			Yes
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MD	ANS	WO 97/41440	11/06/1997	WIPO			Yes
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MD	AOS	WO 97/34617	09/25/1997	WIPO			Yes
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MD	APS	WO 01/00225	01/04/2001	WIPO			Yes
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MD	AR	34	Bender, A., <i>et al.</i> , "Improved methods for the generation of dendritic cells from nonproliferating progenitors in human blood," <i>J. Immunol. Methods</i> 196:121-135, Elsevier Science (1996)
MD	AS	34	Ben-Yedidia, T., and Arnon, R., "Design of peptide and polypeptide vaccines," <i>Curr. Opin. Biotechnol.</i> 8:442-448, Current Biology, Ltd. (1997)
MD	AT	34	Carbone, F.R., and Bevan, M.J., "Induction of Ovalbumin-Specific Cytotoxic T Cells by In Vivo Peptide Immunization," <i>J. Exp. Med.</i> 169:603-612, Rockefeller University Press (1989)

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MD	AR	35	Carbone, F.R., <i>et al.</i> , "Induction of Cytotoxic T Lymphocytes by Primary In Vitro Stimulation with Peptides," <i>J. Exp. Med.</i> 167:1767-1779, Rockefeller University Press (1988)
MD	AS	35	Cassell, D., and Forman, J., "Linked Recognition of Helper and Cytotoxic Antigenic Determinants for the Generation of Cytotoxic T Lymphocytes," <i>Ann. N.Y. Acad. Sci.</i> 532:51-60, New York Academy Of Sciences (1991)
MD	AT	35	Deres, K., <i>et al.</i> , "In vivo priming of virus-specific cytotoxic T lymphocytes with synthetic lipopeptide vaccine," <i>Nature</i> 342:561-564, Nature Publishing Group (1989)

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MD	AR	36	del Guercio, M-F., <i>et al.</i> , "Potent immunogenic short linear peptide constructs composed of B cell epitopes and Pan DR T Helper Epitopes (PADRE) for antibody responses <i>in vivo</i> ," <i>Vaccine</i> 15:441-448, Elsevier Science (March 1997)
MD	AS	36	DiBrino, M., <i>et al.</i> , "Endogenous Peptides with Distinct Amino Acid Anchor Residue Motifs Bind to HLA-A1 and HLA-B8," <i>J. Immunol.</i> 152:620-631, American Association of Immunologists (1994)
NKS	AT	36	DiBrino, M., <i>et al.</i> , "The HLA-B14 Peptide Binding Site Can Accommodate Peptides with Different Combinations of Anchor Residues," <i>J. Biol. Chem.</i> 269:32426-32434, American Society for Biochemistry and Molecular Biology (1994)

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MD	AR	37	Donnelly, J.J., <i>et al.</i> , "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews Inc. (April 1997)
MD	AS	37	Francis, M.J., <i>et al.</i> , "Non-responsiveness to a foot-and-mouth disease virus peptide overcome by addition of foreign helper T-cell determinants," <i>Nature</i> 330:168-170, Nature Publication Group (1987)
MD	AT	37	Fynan, E.F., <i>et al.</i> , "DNA vaccines: Protective immunizations by parental, mucosal, and gene-gun inoculations," <i>Proc. Natl. Acad. Sci. USA</i> 90:11478-11482, National Academy of Sciences (1993)

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MO	AR	38	Gileadi, U., <i>et al.</i> , "Effect of epitope flanking residues on the presentation of N-terminal cytotoxic T lymphocyte epitopes," <i>Eur. J. Immunol.</i> 29:2213-2222, WILEY-VCH Verlag GmbH (July 1999)
MO	AS	38	Golvano, J., <i>et al.</i> , "Polarity of immunogens: implications for vaccine design," <i>Eur. J. Immunol.</i> 20:2363-2366, VCH Verlagsgesellschaft mbH (1990)
MO	AT	38	Gulukota, K., <i>et al.</i> , "Two Complementary Methods for Predicting Peptides Binding Major Histocompatibility Complex Molecules," <i>J. Mol. Biol.</i> 267:1258-1267, Academic Press Limited (April 1997)

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	AR	39	Hahn, Y.S., <i>et al.</i> , "CD8 <sup>+</sup> T Cell Recognition of an Endogenously Processed Epitope is Regulated Primarily by Residues within the Epitope," <i>J. Exp. Med.</i> 176:1335-1341, Rockefeller University Press (1992)
	AS	39	Hahn, Y.S., <i>et al.</i> , "Presentation of Viral Antigen to Class I Major Histocompatibility Complex-Restricted Cytotoxic T Lymphocyte. Recognition of an Immunodominant Influenza Hemagglutinin Site by Cytotoxic T Lymphocyte is Independent of the Position of the Site in the Hemagglutinin Translation Product," <i>J. Exp. Med.</i> 174:733-736, Rockefeller University Press (1991)
	AT	39	Hammer, J., <i>et al.</i> , "Precise Prediction of Major Histocompatibility Complex Class II-Peptide Interaction Based on Peptide Side Chain Scanning," <i>J. Exp. Med.</i> 180:2353-2358, Rockefeller University Press (1994)

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	AR	40	Hill, C.M., <i>et al.</i> , "Exploration of Requirements for Peptide Binding to HLA DRB1*0101 and DRB1*0401," <i>J. Immunol.</i> 152:2890-2898, American Association of Immunologists (1994)
	AS	40	Huczko, E.L., <i>et al.</i> , "Characteristics of Endogenous Peptides Eluted from the Class I MHC Molecule HLA-B7 Determined by Mass Spectrometry and Computer Modeling," <i>J. Immunol.</i> 151:2572-2587, American Association of Immunologists (1993)
	AT	40	Ishioka, G.Y., <i>et al.</i> , "Class I MHC-restricted, peptide specific cytotoxic T lymphocytes generated by peptide priming in vivo," in <i>Vaccines90: Modern Approaches to New Vaccines Including Prevention of AIDS</i> , Brown, F., <i>et al.</i> , eds., Cold Spring harbor Laboratory Press, Cold Spring Harbor, NY, pp. 7-11 (1990)

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	AR	41	Ishioka, G.Y., <i>et al.</i> , "Induction of Class I MHC-Restricted, Peptide-Specific Cytolytic T Lymphocytes by Peptide Priming In Vivo," <i>J. Immunol.</i> 143:1094-1100, American Association of Immunologists (1989)
	AS	41	Jardetzky, T.S., <i>et al.</i> , "Peptide binding to HLA-DR1: a peptide with most residues substituted to alanine retains MHC binding," <i>EMBO J.</i> 9:1797-1803, Oxford University Press (1990)
	AT	41	Kast, W.M., <i>et al.</i> , "Protection against lethal Sendai virus infection by <i>in vivo</i> priming of virus-specific cytotoxic T lymphocytes with a free synthetic peptide," <i>Proc. Natl. Acad. Sci. USA</i> 88:2283-2287, National Academy of Sciences (1991)

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	AL						Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MO	AR	42	Kondo, A., <i>et al.</i> , "Two distinct HLA-A*0101-specific submotifs illustrate alternative peptide binding modes," <i>Immunogenetics</i> 45:249-258, Springer-Verlag (January 1997)
MO	AS	42	Kubitscheck, U., <i>et al.</i> , "Peptide Binding to Class I Molecules of the Major Histocompatibility Complex on the Surface of Living Target Cells," <i>Scand. J. Immunol.</i> 36:341-348, Blackwell Scientific Publications (1992)
MO	AT	42	Kubo, R.T., <i>et al.</i> , "Definition of Specific Peptide Motifs for Four Major HLA-A Alleles," <i>J. Immunol.</i> 152:3913-3924, American Association of Immunologists (1994)

EXAMINER

MARIANNE DIBBINO, Ph.D.

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ATTY. DOCKET NO.  
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	AR	43	Kumar, A., <i>et al.</i> , "Universal T Helper Cell Determinants Enhance Immunogenicity of a <i>Plasmodium falciparum</i> Merozoite Surface Antigen Peptide," <i>J. Immunol.</i> 148:1499-1505, American Association of Immunologists (1992)
	AS	43	Lasarte, J-J., <i>et al.</i> , "Induction of Cytotoxic T Lymphocytes in Mice against the Principal Neutralizing Domain of HIV-1 by Immunization with an Engineered T-Cytotoxic-T-Helper Synthetic Helper Peptide Construct," <i>Cell. Immunol.</i> 141:211-218, Academic Press Inc. (1992)
	AT	43	Madden, D.R., <i>et al.</i> , "The structure of HLA-B27 reveals nonamer self-peptides bound in an extended conformation," <i>Nature</i> 353:321-325, Nature Publishing Group (1991)

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MD	AR	44	Maier, R., <i>et al.</i> , "Peptide motifs of HLA-A3, -A24, and -B7 molecules as determined by pool sequencing," <i>Immunogenetics</i> 40:306-308, Springer-Verlag (1994)
MD	AS	44	Martinon, F., <i>et al.</i> , "Immunization of Mice with Lipopeptides Bypasses the Prerequisite for Adjuvant," <i>J. Immunol.</i> 149:3416-3422, American Association of Immunologists (1992)
WV	AT	44	Niedermann, G., <i>et al.</i> , "Contribution of Proteasome-Mediated Proteolysis to the Hierarchy of Epitopes Presented by Major Histocompatibility Complex Class I Molecules," <i>Immunity</i> 2:289-299, Cell Press (1995)

EXAMINER

MARIANNE DISTINGO, Ph.D.

MD

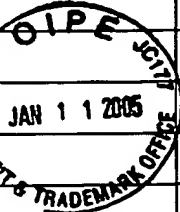
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	AR	45	Niedermann, G., <i>et al.</i> , "The specificity of proteasomes: impact on MHC class I processing and presentation of antigens," <i>Immunol. Rev.</i> 172:29-48, Munksgaard (December 1999)
	AS	45	Nikolić-Žugić, J., and Carbone, F.R., "Peptide Presentation by Class-I Major Histocompatibility Complex Molecules," <i>Immunol. Res.</i> 10:54-65, S. Karger AG (1991)
	AT	45	O'Sullivan, D., <i>et al.</i> , "Characterization of the Specificity of Peptide Binding to Four DR Haplotypes," <i>J. Immunol.</i> 145:1799-1808, American Association of Immunologists (1990)

EXAMINER

RASHI M. LEBENFELD, Ph.D.

MD

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MD	AR	46	O'Sullivan, D., <i>et al.</i> , "On the Interaction of Promiscuous Antigenic Peptides with Different DR Alleles," <i>J. Immunol.</i> 147:2663-2669, American Association of Immunologists (1991)
MD	AS	46	Panina-Bordignon, P., <i>et al.</i> , "Universally immunogenic T cell eptiopes: promiscuous binding to human MHC class II and promiscuous recognition by T cells," <i>Eur. J. Immunol.</i> 19:2237-2242, VCH Verlagsgesellschaft mbH (1989)
MD	AT	46	Paz, P., <i>et al.</i> , "Discrete Proteolytic Intermediates in the MHC Class I Antigen Processing Pathway and MHC I-Dependent Peptide Trimming in the ER," <i>Immunity</i> 11:241-251, Cell Press (August 1999)

EXAMINER

MARIANNE DIBRINO, Ph.D.

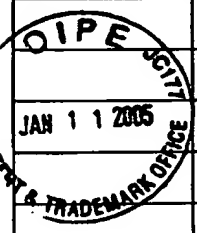
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MD	AR	47	Penna, A., <i>et al.</i> , "Cytotoxic T Lymphocytes Recognize an HLA-A2-Restricted Epitope Within the Hepatitis B Virus Nucleocapsid Antigen," <i>J. Exp. Med.</i> 174:1565-1570, Rockefeller University Press (1991)
MD	AS	47	Pryjma, J., <i>et al.</i> , "Induction and Suppression of Immunoglobulin Synthesis in Cultures of Human Lymphocytes: Effects of Pokeweed Mitogen and <i>Staphylococcus Aureus</i> Cowan I," <i>J. Immunol.</i> 124:656-661, Williams & Wilkins Co. (1980)
MD	AT	47	Rahemtulla, A., <i>et al.</i> , "Normal development and function of CD8 <sup>+</sup> cells but markedly decreased helper cell activity in mice lacking CD4," <i>Nature</i> 353:180-183, Nature Publishing Group (1991)

EXAMINER

MARIA ANNE PERRINO, Ph.D.

MD

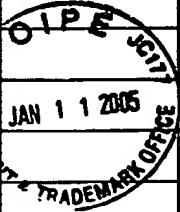
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	48	Rammensee, H-G., <i>et al.</i> , "SYFPEITHI: database for MHC ligands and peptide motifs," <i>Immunogenetics</i> 50:213-219, Springer-Verlag (November 1999)
	AS	48	Reitermann, A., <i>et al.</i> , "Lipopeptide Derivatives of Bacterial Lipoprotein Constitute Potent Immune Adjuvants Combined with or Covalently Coupled to Antigen or Hapten," <i>Biol. Chem. Hoppe Seyler</i> 370:343-352, Walter De Gruyter (1989)
	AT	48	Restifo, N.P., <i>et al.</i> , "Antigen Processing In Vivo and the Elicitation of Primary CTL Responses," <i>J. Immunol.</i> 154:4414-4422, American Association of Immunologists (1995)

EXAMINER

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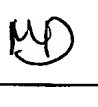
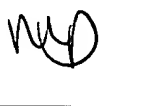
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	AR	42	Saper, M.A., <i>et al.</i> , "Refined Structure of the Human Histocompatibility Antigen HLA-A2 at 2.6 Å Resolution," <i>J. Mol. Biol.</i> 219:277-319, Academic Press Ltd. (1991)
	AS	42	Schaeffer, E.B., <i>et al.</i> , "Relative contribution of 'determinant selection' and 'holes in the T-cell repertoire' to T-cell responses," <i>Proc. Natl. Acad. Sci. USA</i> 86:4649-4653, National Academy of Sciences (1989)
	AT	42	Schumacher, T.N.M., <i>et al.</i> , "Peptide selection by MHC class I molecules," <i>Nature</i> 350:703-706, Nature Publishing Group (1991)

EXAMINER

MARIANNE DIBRINO, Ph.D.

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MD	AR	50	Sette, A., and Sidney, J., "HLA supertypes and supermotifs: a functional perspective on HLA polymorphism," <i>Curr. Opin. Immunol.</i> 10:478-482, Current Biology Publications (August 1998)
MD	AS	50	Sette, A., <i>et al.</i> , "A Novel Approach to the Generation of High Affinity Class II-Binding Peptides," <i>J. Immunol.</i> 145:1809-1813, American Association of Immunologists (1990)
MD	AT	50	Sette, A., <i>et al.</i> , "Effect of Conformational Propensity of Peptide Antigens in Their Interaction with MHC Class II Molecules," <i>J. Immunol.</i> 143:1268-1273, American Association of Immunologists (1989)

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	AR	51	Sette, A., <i>et al.</i> , "Peptide Binding to the Most Frequent HLA-A Class I Alleles Measured by Quantitative Molecular Binding Assays," <i>Mol. Immunol.</i> 31:813-822, Pergamon Press (1994)
	AS	51	Sidney, J., <i>et al.</i> , "Definition of an HLA-A3-Like Supermotif Demonstrates the Overlapping Peptide-Binding Repertoires of Common HLA Molecules," <i>Hum. Immunol.</i> 45:79-93, Elsevier Science Inc. (1996)
	AT	51	Sidney, J., <i>et al.</i> , "Practical, biochemical and evolutionary implications of the discovery of HLA class I supermotifs," <i>Immunol. Today</i> 17:261-266, Elsevier Science (1996)

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	AR	52	Sidney, J., <i>et al.</i> , "The HLA-A*0207 Peptide Binding Repertoire is Limited to a Subset of the A*0201 Repertoire," <i>Hum. Immunol.</i> 58:12-20, Elsevier Science Inc. (November 1997)
	AS	52	Sinigaglia, F., and Hammer, J., "Defining rules for the peptide-MHC class II interaction," <i>Curr. Opin. Immunol.</i> 6:52-56, Current Biology Ltd. (1994)
	AT	52	Southwood, S., <i>et al.</i> , "Several Common HLA-DR Types Share Largely Overlapping Peptide Binding Repertoires," <i>J. Immunol.</i> 160:3363-3373, American Association of Immunologists (April 1998)

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myo	AR	53	Sprent, J., and Schaefer, M., "Properties of Purified T Cell Subsets. I. In Vitro Responses to Class I vs. Class II H-2 Alloantigens," <i>J. Exp. Med.</i> 162:2068-2088, Rockefeller University Press (1985)
myo	AS	53	Stark, J.M., <i>et al.</i> , "Immunogenicity of lipid-conjugated antigens. I. The Influence of Chain Length and Degree of Conjugation on Induction of Antibody in Mice," <i>Immunology</i> 39:345-352, Blackwell Scientific Publications (1980)
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	AR	<u>54</u>	Sudo, T., <i>et al.</i> , "Differences in MHC Class I Self Peptide Repertoires Among HLA-A2 Subtypes," <i>J. Immunol.</i> 155:4749-4756, American Association of Immunologists (1995)
	AS	<u>54</u>	Sugawara, S., <i>et al.</i> , "A simple method to eliminate the antigenicity of surface class I MHC molecules from the membrane of viable cells by acid treatment at pH 3," <i>J. Immunol. Methods</i> 100:83-90, Elsevier Science (1987)
	AT	<u>54</u>	Tam, J.P., and Lu, Y-A., "Vaccine engineering: Enhancement of immunogenicity of synthetic peptide vaccines related to hepatitis in chemically defined models consisting of T- and B-cell epitopes," <i>Proc. Natl. Acad. Sci. USA</i> 86:9084-9088, National Academy of Sciences (1989)

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STATEMENT**

APPLICANT(S)




Fikes *et al.*FILING DATE  
December 10, 1999ART UNIT  
1644**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes
							No
	AM						Yes
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	AN						Yes
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	AO						Yes
							No
	AP						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	55	Townsend, A., and Bodmer, H., "Antigen Recognition by Class I-Restricted T Lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)
	AS	55	von Boehmer, H., and Haas, W., "Distinct Ir Genes for Helper and Killer Cells in the Cytotoxic Response to H-Y Antigen," <i>J. Exp. Med.</i> 150:1134-1142, Rockefeller University Press (1979)
	AT	55	Watari, E., <i>et al.</i> , "A Synthetic Peptide Induces Long-Term Protection from Lethal Infection with Herpes Simplex Virus 2," <i>J. Exp. Med.</i> 165:459-470, Rockefeller University Press (1987)

EXAMINER

MARIANNE DIBRINO, Ph.D.



DATE CONSIDERED

3/28/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449




**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT**ATTY. DOCKET NO.  
2060.0140000APPLICATION NO.  
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	AR	56	Wentworth, P.A., <i>et al.</i> , "In Vitro Induction of Primary, Antigen-Specific CTL from Human Peripheral Blood Mononuclear Cells Stimulated with Synthetic Peptides," <i>Mol. Immunol.</i> 32:603-612, Elsevier Science Ltd. (1995)
	AS	56	Wherry, E.J., <i>et al.</i> , "The Induction of Virus-Specific CTL as a Function of Increasing Epitope Expression: Responses Rise Steadily Until Excessively High Levels of Epitope Are Attained," <i>J. Immunol.</i> 163:3735-3745, American Association of Immunologists (October 1999)
	AT	56	Widmann, C., <i>et al.</i> , "T helper epitopes enhance the cytotoxic response of mice immunized with MHC class I-restricted malaria peptides," <i>J. Immunol. Meth.</i> 155:95-99, Elsevier Science Publishers B.V. (1992)

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KMD	AR	57	Wiesmüller, K-H., <i>et al.</i> , "Lipopeptide-Helper-T-Cell Epitope-CTL Epitope Conjugate Induces Antibodies Against the CTL Epitope," <i>Innovation Perspective Solid Phase Synthesis Collect. Papers, Int. Symp. 2nd</i> , pp. 499-502 (1991)
MD	AS	57	Wiesmüller, K-H., <i>et al.</i> , "Novel low-molecular-weight synthetic vaccine against foot-and-mouth disease containing a potent B cell and macrophage activator," <i>Vaccine</i> 7:29-33, Butterworth & Co. (1989)
MD	AT	57	Yewdell, J.W., and Bennink, J.R., "Immunodominance in Major Histocompatibility Complex Class I-Restricted T Lymphocyte Responses," <i>Annu. Rev. Immunol.</i> 17:51-88, Annual Reviews Inc. (April 1999)

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	AR	58	Zhou, X., <i>et al.</i> , "In vivo primary induction of virus-specific CTL by immunization with 9-mer synthetic peptides," <i>J. Immunol. Methods</i> 153:193-200, Elsevier Science Publishers B.V. (1992)
	AS	58	Zinkernagel, R.M., <i>et al.</i> , "The Lymphoreticular System in Triggering Virus Plus Self-Specific Cytotoxic T Cells: Evidence for T Help," <i>J. Exp. Med.</i> 147:897-911, Rockefeller University Press (1978)
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